

**American Housing Survey - Selected Elements Related to Healthy Homes  
2011 Charlotte, NC-SC and 2011 National**

**National statistic only reported if Metropolitan Statistical Area (MSA) is  $\geq 20\%$ (relative) and 0.25% (absolute) different from national (otherwise "-" is listed).**

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National
Total Occupied Units(,000)	670	114,907	446	76,091	224	38,816	7	2,103	19	4,126	106	16,060		33,161
<b>GENERAL</b>														
Owner occupied(,000)		76,091		76,091		.		907		1,568		6,166		16,552
Renter occupied(,000)		38,816		.		38,816		1,196		2,558		9,894		16,609
Owner occupied		66.2%		100%		<0.1%		43.1%		38.0%		38.4%		49.9%
Renter occupied		33.8%		<0.1%		100%		56.9%		62.0%		61.6%		50.1%
<b>Units in Structure</b>														
1, detached	69.8%	-	87.1%	-	35.4%	-	65.8%	44.3%	28.4%	39.6%	50.5%	-		49.3%
1, attached	7.2%	-	5.6%	-	10.5%	6.8%	6.1%	-	4.8%	3.4%	6.0%	-		7.9%
2 to 4	3.7%	7.8%	0.7%	1.9%	9.4%	19.4%	2.7%	14.8%	10.7%	17.8%	6.4%	13.6%		12.9%
5 to 9	4.3%	-	0.8%	-	11.4%	-	12.3%	6.9%	11.7%	-	8.5%	-		7.4%
10 to 19	5.3%	-	0.3%	0.7%	15.2%	11.6%	9.6%	-	17.0%	7.3%	9.2%	6.9%		6.5%
20 to 49	3.3%	-	0.2%	0.5%	9.5%	-	<0.1%	6.5%	6.6%	-	5.3%	-		6.1%
50 or more	1.0%	3.6%	0.3%	1.0%	2.3%	8.8%	<0.1%	7.0%	3.6%	7.0%	1.4%	6.1%		8.7%
Manufactured /mobile home or trailer	5.4%	-	5.0%	7.5%	6.3%	3.9%	3.6%	7.4%	17.2%	7.8%	12.6%	-		1.3%
<b>Year Structure Built</b>														
Post-2000	27.4%	13.8%	29.3%	15.6%	23.8%	10.2%	12.6%	5.0%	22.7%	4.4%	16.9%	9.3%		10.9%
Post-1980	63.9%	38.7%	66.1%	42.1%	59.7%	32.2%	24.8%	-	54.8%	22.4%	51.2%	31.1%		27.7%
Pre-1980	36.1%	61.3%	33.9%	57.9%	40.3%	67.8%	75.2%	-	45.2%	77.6%	48.8%	68.9%		72.3%
Pre-1960	14.5%	30.9%	12.9%	29.5%	17.6%	33.4%	36.2%	47.2%	14.8%	45.7%	19.9%	34.6%		42.7%
Pre-1940	3.9%	14.7%	3.3%	12.8%	5.2%	18.5%	3.4%	27.4%	2.2%	24.4%	4.8%	17.2%		22.6%

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National
Foundation (for 1-unit not manufactured)														
1-Unit not manufactured(,000)	516	80,505	413	66,752	103	13,753	5	1,040	6	1,772	60	7,844		18,949
With a basement under all of house	5.6%	32.7%	6.2%	34.4%	3.1%	24.0%	3.7%	32.2%	7.1%	22.1%	6.5%	27.3%		31.9%
With a basement under part of house	4.5%	10.6%	4.6%	11.3%	3.9%	7.2%	4.4%	7.9%	3.4%	8.7%	4.7%	7.3%		8.1%
With a crawl space	50.6%	22.1%	51.6%	21.4%	46.5%	25.3%	61.4%	24.1%	41.6%	-	52.7%	25.9%		20.2%
On a concrete slab	38.2%	-	36.6%	-	44.8%	-	30.5%	-	44.3%	23.7%	34.9%	-		38.2%
In some other way	1.1%	1.6%	0.9%	1.4%	1.7%	2.4%	<0.1%	6.1%	3.7%	5.3%	1.2%	3.2%		1.6%
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EXTERIOR														
External Building Conditions(non multiunit)														
Sagging roof	2.0%	-	1.7%	-	3.4%	-	15.6%	9.0%	20.1%	11.4%	4.4%	-		2.4%
Missing roofing material	3.7%	-	3.8%	-	3.4%	4.1%	20.1%	9.9%	9.8%	14.3%	3.8%	5.8%		3.8%
Hole in roof	2.0%	1.5%	2.1%	1.3%	1.8%	2.4%	15.6%	7.6%	19.6%	11.9%	4.0%	-		1.9%
Missing bricks, siding, other outside wall material	1.9%	2.5%	1.6%	2.2%	3.0%	3.9%	24.2%	10.7%	4.1%	14.2%	2.6%	5.0%		3.2%
Sloping outside walls	1.0%	-	0.7%	1.0%	2.2%	-	7.6%	5.9%	12.2%	8.4%	2.1%	-		1.5%
Boarded up windows	0.5%	1.0%	0.2%	0.9%	1.6%	-	3.8%	-	9.6%	6.1%	2.7%	-		1.5%
Broken windows	3.3%	4.2%	2.7%	3.7%	5.4%	6.6%	18.5%	14.1%	20.1%	-	6.4%	8.6%		4.8%
Bars on windows	0.8%	2.9%	0.6%	2.7%	1.4%	3.8%	3.9%	-	2.4%	7.5%	1.2%	4.8%		8.9%
Foundation crumbling or has open crack or hole	8.6%	5.4%	8.8%	5.1%	8.1%	-	12.2%	15.0%	21.4%	-	9.0%	-		6.4%
None of the above	81.8%	-	82.7%	-	78.7%	-	48.4%	64.2%	52.0%	-	77.0%	-		75.3%
None of the above(excluding bars)	82.3%	-	83.1%	-	79.4%	-	52.4%	66.3%	52.0%	-	77.3%	-		81.9%
Water Leakage During Last 12 Months														

<i>Characteristic</i>	<i>Occupied</i>		<i>Owner Occupied</i>		<i>Rental</i>		<i>Severe Problems</i>		<i>Moderate Problems</i>		<i>Below Poverty</i>		<i>Central City</i>	
	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>
With leakage from outside structure	9.8%	-	10.2%	-	8.9%	-	24.5%	17.4%	39.9%	29.4%	11.1%	-	-	11.6%
Roof	7.5%	5.7%	8.5%	6.1%	5.6%	-	15.3%	10.0%	33.7%	16.8%	7.9%	-	-	5.9%
Basement leak	0.2%	2.8%	0.3%	3.4%	0.1%	1.4%	<0.1%	2.5%	<0.1%	5.1%	0.4%	1.9%	-	2.6%
Walls, closed windows, or doors leak	1.6%	2.2%	1.1%	1.8%	2.8%	-	9.2%	4.7%	7.3%	8.9%	2.4%	-	-	2.9%
Other or Unknown exterior Leak	0.8%	1.2%	0.8%	1.1%	0.8%	1.3%	2.9%	-	2.7%	-	1.3%	-	-	1.4%
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<b>INTERIOR</b>														
<b>Damage</b>														
Holes in floors	0.9%	-	0.8%	-	1.2%	1.6%	5.5%	7.2%	4.6%	9.9%	2.1%	-	-	1.3%
Open cracks or holes	5.1%	-	4.7%	-	5.9%	7.1%	21.2%	-	26.0%	-	7.1%	8.6%	-	6.7%
Broken plaster or peeling paint	1.5%	2.1%	1.2%	1.5%	2.0%	3.1%	11.8%	8.3%	19.6%	-	2.9%	-	-	3.2%
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<b>Water Leakage During Last 12 Months</b>														
With leakage from inside structure	7.6%	-	6.8%	-	9.3%	11.2%	26.4%	16.2%	31.8%	25.1%	9.4%	-	-	10.0%
Fixtures backed up or overflowed	2.0%	-	1.9%	-	2.3%	-	11.2%	4.9%	10.8%	6.6%	3.2%	2.2%	-	2.2%
Pipes leaked	3.4%	-	3.4%	-	3.6%	4.9%	15.2%	8.4%	17.1%	12.5%	3.6%	5.1%	-	4.5%
Broken water heater	0.7%	-	0.4%	0.9%	1.1%	0.8%	2.9%	1.4%	2.8%	2.0%	1.0%	-	-	0.7%
Other or Unknown	1.8%	2.4%	1.3%	1.8%	3.0%	-	2.7%	3.2%	6.1%	-	2.6%	-	-	2.9%
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<b>Rodents</b>														
Signs of rats in last 3 mon.	0.4%	1.0%	0.4%	0.9%	0.4%	1.3%	2.8%	-	1.6%	3.6%	0.7%	1.8%	-	1.4%
Signs of mice in last 3 mon.	9.7%	-	11.3%	-	6.6%	10.0%	18.8%	-	16.5%	20.0%	8.8%	12.5%	-	9.9%

<i>Characteristic</i>	<i>Occupied</i>		<i>Owner Occupied</i>		<i>Rental</i>		<i>Severe Problems</i>		<i>Moderate Problems</i>		<i>Below Poverty</i>		<i>Central City</i>	
	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>
Signs of rodents, not sure which kind in last 3 mon.	0.6%	-	0.6%	-	0.5%	0.8%	<0.1%	1.5%	3.3%	1.6%	1.0%	-	0.7%	
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<b>Electrical</b>														
No electrical wiring	<0.1%	-	<0.1%	-	<0.1%	0.2%	<0.1%	3.2%	<0.1%	0.1%	<0.1%	0.3%	0.1%	
Exposed wiring	1.3%	1.6%	1.0%	1.3%	1.9%	-	6.0%	-	5.0%	3.9%	2.9%	-	1.6%	
Rooms without electric outlets	0.6%	-	0.3%	0.6%	1.1%	-	3.1%	6.5%	<0.1%	2.2%	1.1%	1.4%	1.0%	
Fuses/breakers blown in last 3 mon.	10.6%	-	12.0%	9.4%	7.9%	-	27.6%	14.7%	14.6%	-	9.5%	-	9.6%	
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<b>Sanitation</b>														
Lacking complete kitchen facilities	1.5%	-	0.4%	-	3.6%	-	3.0%	8.4%	51.9%	-	3.0%	-	2.8%	
Lacking some or all plumbing facilities	0.4%	1.3%	0.2%	0.8%	0.7%	2.1%	34.2%	68.2%	<0.1%	0.0%	0.9%	2.1%	1.8%	
Water not safe to drink	5.3%	8.3%	4.7%	6.2%	6.7%	12.3%	13.0%	-	14.7%	-	7.4%	13.1%	10.1%	
Water stoppage in last 3 mon.	3.8%	-	3.7%	-	4.1%	5.1%	15.3%	8.3%	7.0%	9.4%	3.2%	4.8%	4.0%	
No flush toilets working some time in last 3 mon.	1.7%	-	1.1%	-	2.9%	-	12.2%	5.7%	6.7%	9.8%	2.6%	3.4%	2.5%	
With sewage disposal breakdowns in last 3 mon.	1.0%	1.4%	1.0%	-	0.9%	1.7%	3.1%	-	2.5%	5.0%	1.4%	2.0%	1.6%	
Septic tank, cesspool, chemical toilet	18.6%	-	23.4%	-	8.9%	-	11.5%	15.6%	18.9%	-	20.4%	14.7%	1.3%	
With septic tank or cesspool breakdowns in last 3 mon.	0.1%	-	0.1%	-	0.1%	-	<0.1%	0.8%	<0.1%	0.8%	0.4%	-	<0.1%	
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<b>HEATING/FUEL</b>														
<b>Main Heating Equipment</b>														
Warm-air furnace	66.1%	-	71.3%	-	55.7%	-	76.0%	47.8%	42.6%	-	57.7%	-	62.8%	
Steam or hot water system	0.3%	11.0%	0.3%	9.7%	0.3%	13.5%	<0.1%	18.6%	<0.1%	14.0%	0.4%	10.9%	15.6%	

<i>Characteristic</i>	<i>Occupied</i>		<i>Owner Occupied</i>		<i>Rental</i>		<i>Severe Problems</i>		<i>Moderate Problems</i>		<i>Below Poverty</i>		<i>Central City</i>	
	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>
Electric heat pump	25.5%	11.8%	22.2%	12.9%	32.2%	9.6%	18.0%	7.1%	22.6%	4.8%	26.8%	9.7%	8.5%	
Built-in electric units	1.5%	4.2%	1.1%	2.6%	2.4%	7.4%	2.9%	5.2%	<0.1%	5.6%	3.3%	5.9%	3.9%	
Floor, wall, or other built-in hot air without ducts	4.3%	-	3.3%	2.4%	6.3%	-	3.1%	7.0%	8.8%	5.6%	6.3%	-	5.2%	
Room heaters with flue	0.5%	0.8%	0.4%	0.7%	0.8%	-	<0.1%	1.1%	<0.1%	1.1%	1.3%	-	0.6%	
Room heaters without flue	0.4%	1.0%	0.5%	0.8%	0.3%	1.2%	<0.1%	2.5%	14.7%	25.2%	0.8%	2.2%	0.7%	
Portable electric heaters	0.7%	1.2%	0.5%	0.9%	1.3%	1.8%	<0.1%	3.9%	6.4%	2.0%	1.8%	3.0%	1.4%	
Stoves	0.2%	0.9%	0.2%	1.2%	0.3%	-	<0.1%	4.0%	2.6%	1.0%	0.9%	1.2%	0.1%	
Fireplace with inserts	0.2%	-	0.2%	-	0.2%	-	<0.1%	0.1%	1.2%	0.1%	<0.1%	0.1%	<0.1%	
Fireplace without inserts	<0.1%	0.1%	<0.1%	0.1%	<0.1%	-	<0.1%	0.2%	<0.1%	0.1%	<0.1%	0.1%	-	
Other	0.1%	-	0.1%	-	0.1%	0.4%	<0.1%	1.1%	<0.1%	0.3%	0.6%	-	0.3%	
No heating equipment	0.1%	0.4%	<0.1%	0.3%	0.2%	0.7%	<0.1%	1.1%	1.0%	0.7%	0.3%	0.6%	0.7%	
Cooking stove	<0.1%	0.1%	<0.1%	-	<0.1%	0.1%	<0.1%	0.2%	<0.1%	0.3%	<0.1%	0.2%	0.1%	
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<b>Water Heating Fuel</b>														
Electricity	56.4%	41.3%	46.5%	-	76.1%	45.7%	64.2%	38.7%	78.3%	39.0%	74.1%	46.9%	31.9%	
Gas, LP/bottled gas	43.5%	54.3%	53.4%	-	23.8%	49.7%	35.8%	53.8%	21.7%	55.2%	25.9%	49.2%	62.8%	
Fuel oil	<0.1%	4.1%	<0.1%	4.0%	0.1%	4.3%	<0.1%	6.5%	<0.1%	5.1%	<0.1%	3.6%	5.0%	
Kerosene or other liquid fuel	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	<0.1%	<0.1%	0.1%	<0.1%	-	-	
Other	0.1%	0.4%	0.1%	0.4%	<0.1%	0.2%	<0.1%	1.0%	<0.1%	0.5%	<0.1%	0.3%	0.2%	
Clothes Dryer,(000)	599	93,052	433	72,397	166	20,655	6	1,139	11	2,344	79	9,825	21,908	
Have Clothes Dryer	89.5%	-	97.2%	-	74.0%	53.2%	81.9%	54.2%	60.8%	-	74.4%	-	66.1%	
Electricity	93.5%	-	91.7%	-	98.4%	-	95.9%	-	98.2%	-	97.7%	-	74.3%	
Gas, LP gas (liquid propane)	6.5%	21.8%	8.3%	23.5%	1.6%	15.8%	4.1%	21.0%	1.8%	17.5%	2.3%	17.8%	25.6%	
Other	<0.1%	0.1%	<0.1%	-	<0.1%	0.1%	<0.1%	0.1%	<0.1%	<0.1%	<0.1%	0.1%	0.1%	

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**Heating Problems**

<i>Characteristic</i>	<i>Occupied</i>		<i>Owner Occupied</i>		<i>Rental</i>		<i>Severe Problems</i>		<i>Moderate Problems</i>		<i>Below Poverty</i>		<i>Central City</i>	
	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>
Uncomfortably cold for 24 hours or more last winter	8.1%	-	7.9%	-	8.8%	12.5%	69.0%	43.7%	12.4%	22.2%	11.9%	-	10.1%	
Heating equipment breakdowns	3.0%	2.3%	3.2%	1.9%	2.5%	3.2%	62.6%	31.2%	1.2%	4.1%	3.3%	-	3.0%	
Other causes	4.3%	5.9%	4.4%	5.5%	4.0%	6.7%	8.8%	11.0%	7.8%	15.4%	6.6%	8.0%	6.0%	
Utility interruption	1.6%	-	2.0%	-	1.0%	-	2.5%	1.5%	3.9%	1.9%	1.3%	1.6%	1.1%	
Inadequate heating capacity	0.5%	1.1%	0.4%	0.7%	0.6%	2.0%	3.3%	-	<0.1%	5.4%	0.8%	2.2%	1.7%	
Inadequate insulation	0.6%	1.1%	0.5%	-	0.9%	1.8%	<0.1%	3.1%	<0.1%	5.0%	1.3%	2.0%	1.4%	
Cost of heating	0.8%	-	0.7%	1.0%	1.1%	-	<0.1%	1.7%	1.3%	2.8%	1.9%	1.3%	0.8%	
Other	0.9%	1.3%	1.0%	-	0.6%	1.6%	2.9%	-	2.6%	3.2%	1.5%	1.8%	1.6%	
<b>SELECTED PHYSICAL PROBLEMS</b>														
Severe Physical Problems(,000)	7	2,103	4	907	3	1,196	7	2,103	.	.	2	522	909	
Severe physical problems	1.1%	1.8%	0.9%	1.2%	1.5%	3.1%	100%	-	.	.	1.9%	3.3%	2.7%	
Plumbing	0.4%	1.2%	0.2%	0.8%	0.7%	2.1%	34.2%	68.2%	.	.	0.9%	2.1%	1.8%	
Heating	0.6%	-	0.7%	0.3%	0.6%	0.9%	59.8%	28.6%	.	.	0.6%	1.1%	0.8%	
Electric	<0.1%	-	<0.1%	0.1%	0.1%	-	3.1%	-	.	.	0.2%	-	<0.1%	
Hallways	<0.1%	0.0%	<0.1%	0.0%	<0.1%	0.0%	<0.1%	0.0%	.	.	<0.1%	0.0%	0.0%	
Upkeep	<0.1%	-	<0.1%	-	0.1%	-	2.8%	-	.	.	0.2%	-	0.1%	
Moderate Physical Problems(,000)	19	4,126	8	1,568	11	2,558	.	.	19	4,126	6	1,170	1,628	
Moderate physical problems	2.8%	3.6%	1.7%	2.1%	5.0%	6.6%	.	.	100%	-	5.4%	7.3%	4.9%	
Plumbing	0.1%	-	0.1%	-	0.2%	-	.	.	4.4%	-	0.2%	-	0.3%	
Heating	0.4%	0.9%	0.5%	0.8%	0.3%	1.1%	.	.	14.7%	25.2%	0.8%	2.1%	0.7%	
Upkeep	1.5%	-	0.4%	-	3.5%	-	.	.	51.9%	-	2.8%	-	2.6%	
Hallways	<0.1%	0.0%	<0.1%	0.0%	<0.1%	0.0%	.	.	<0.1%	0.0%	<0.1%	0.0%	0.0%	
Kitchen	0.9%	-	0.8%	-	1.0%	1.7%	.	.	30.5%	-	1.9%	-	1.6%	

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<i>Characteristic</i>	<i>Occupied</i>		<i>Owner Occupied</i>		<i>Rental</i>		<i>Severe Problems</i>		<i>Moderate Problems</i>		<i>Below Poverty</i>		<i>Central City</i>	
	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>
OVERALL OPINION OF STRUCTURE														
1(worst)	0.3%	-	0.4%	-	0.2%	1.1%	<0.1%	3.4%	4.5%	3.0%	1.1%	1.5%		0.7%
2	0.3%	-	0.2%	-	0.4%	0.7%	3.1%	1.9%	<0.1%	1.6%	0.9%	-		0.5%
3	0.4%	0.7%	<0.1%	0.4%	1.0%	-	3.0%	-	2.5%	-	1.5%	-		1.0%
4	0.6%	1.0%	0.2%	0.6%	1.6%	-	8.5%	2.7%	5.5%	3.3%	1.3%	1.9%		1.2%
5	4.5%	-	2.6%	3.3%	8.2%	-	6.0%	9.6%	11.4%	-	9.7%	-		5.8%
6	4.8%	-	3.4%	-	7.4%	-	9.7%	7.1%	5.1%	10.5%	6.4%	-		6.2%
7	13.3%	-	11.1%	-	17.8%	-	19.3%	-	18.8%	-	13.1%	-		16.1%
8	25.9%	-	25.5%	-	26.8%	-	19.5%	-	20.8%	-	19.4%	24.4%		28.4%
9	16.7%	-	18.5%	-	13.1%	-	9.4%	-	12.7%	-	13.5%	-		15.0%
10(best)	33.2%	-	38.1%	-	23.5%	-	21.6%	-	18.7%	-	33.1%	-		25.2%

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See <http://nchh.org/Training/HealthyHomesTrainingCenter/AHSDData.aspx> for more info.